



dNTP Set, 100mM Cat #: 42-404

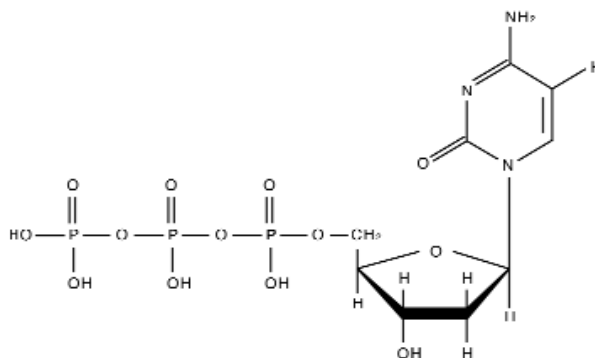
Contents: 4 x 500µmol (20 x 1ml)

Lot Number: See Vial

Concentration: 100mM Each

Storage: Apex dNTP's can be stored at -20°C or -70°C in a constant temperature freezer. Avoid multiple freezing/thawing. For long term usage, aliquoting is recommended.

Reagent for *in vitro* laboratory use only



General Description

Deoxynucleotide Triphosphate (dNTP) set of 4 separate 100mM solutions (dATP, dGTP, dCTP, and dTTP, pH 7.5). Each solution contains 100µmol (1.0ml) of the corresponding dNTP.

Application

For PCR, direct use in DNA sequencing, labeling, and *in vitro* DNA synthesis. Prepare a Master Mix for DNA synthesis as follows:

Mix equal volume of all separate dNTP solutions in a new microcentrifuge tube. The final solution has a concentration of 25mM of each dNTP, which corresponds to a 100X working concentration.

Purity

dNTP's are >99% pure (confirmed by HPLC) and are free of DNase, RNase, Protease, phosphatase, and nicking activity.

Typical Analysis

Lithium salts, >99% deoxynucleoside triphosphates (HPLC, area %), <1% deoxynucleoside monophosphates and deoxynucleoside diphosphates.